

4.2.E. 0513010405.

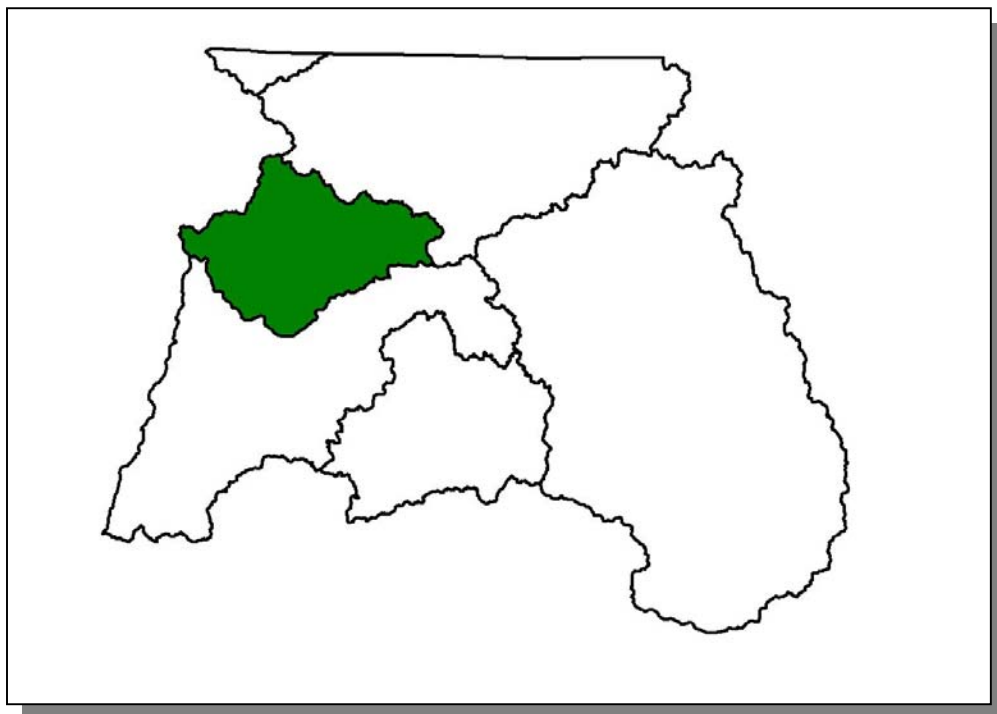


Figure 4-182. Location of Subwatershed 0513010405. All South Fork Cumberland River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.3.E.i. 051301040501 (North Whiteoak Creek).

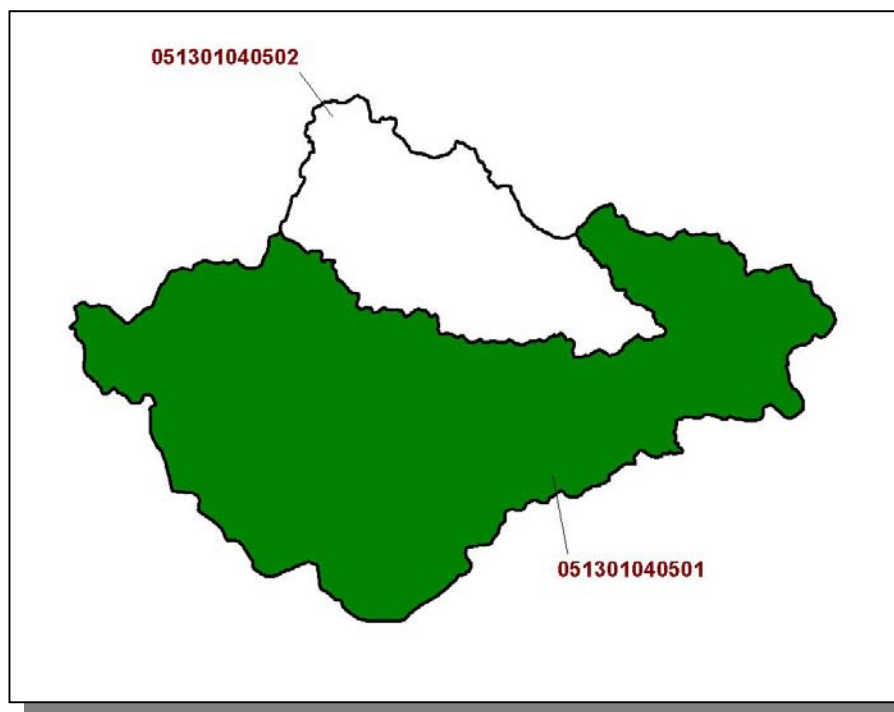


Figure 4-183. Location of Subwatershed 051301040501. All South Fork Cumberland River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

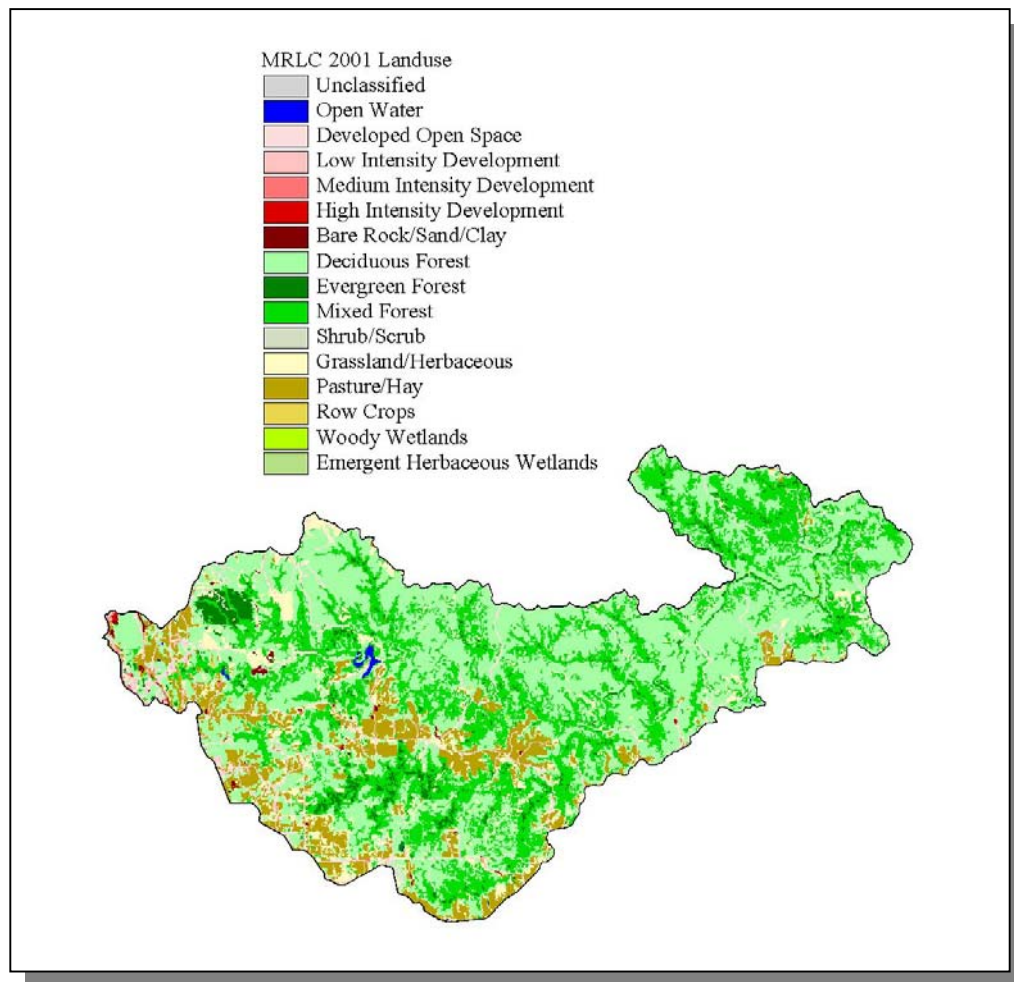


Figure 4-184. Illustration of Land Use Distribution in Subwatershed 051301040501.

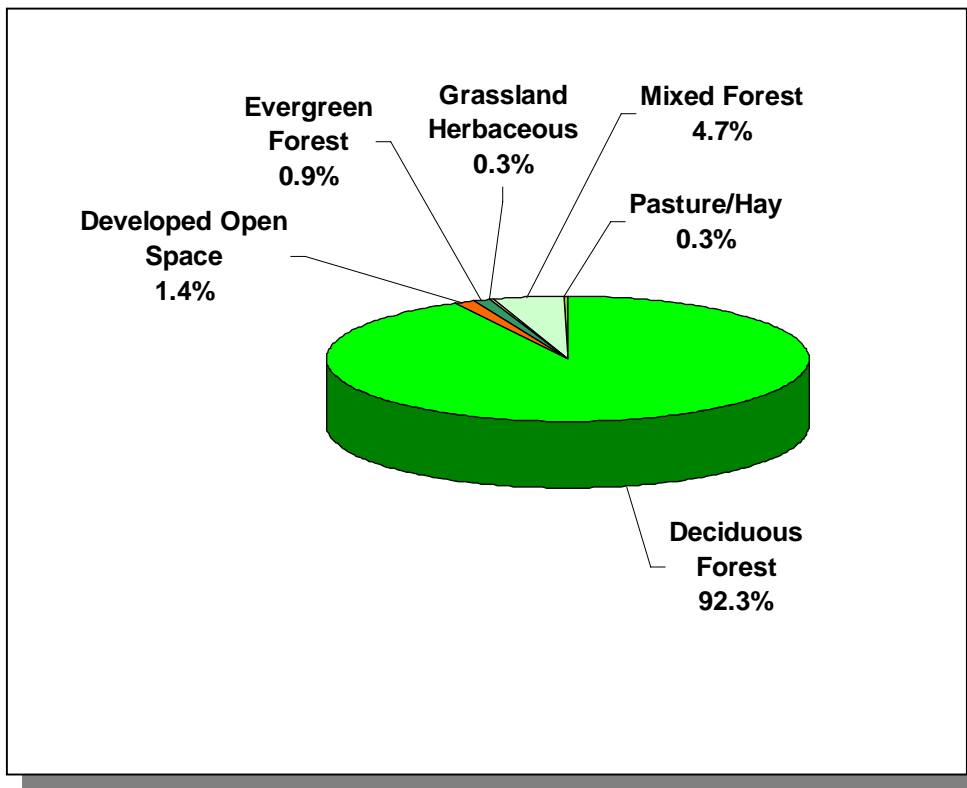


Figure 4-185. Land Use Distribution in Subwatershed 051301040501. More information is provided in Appendix IV.

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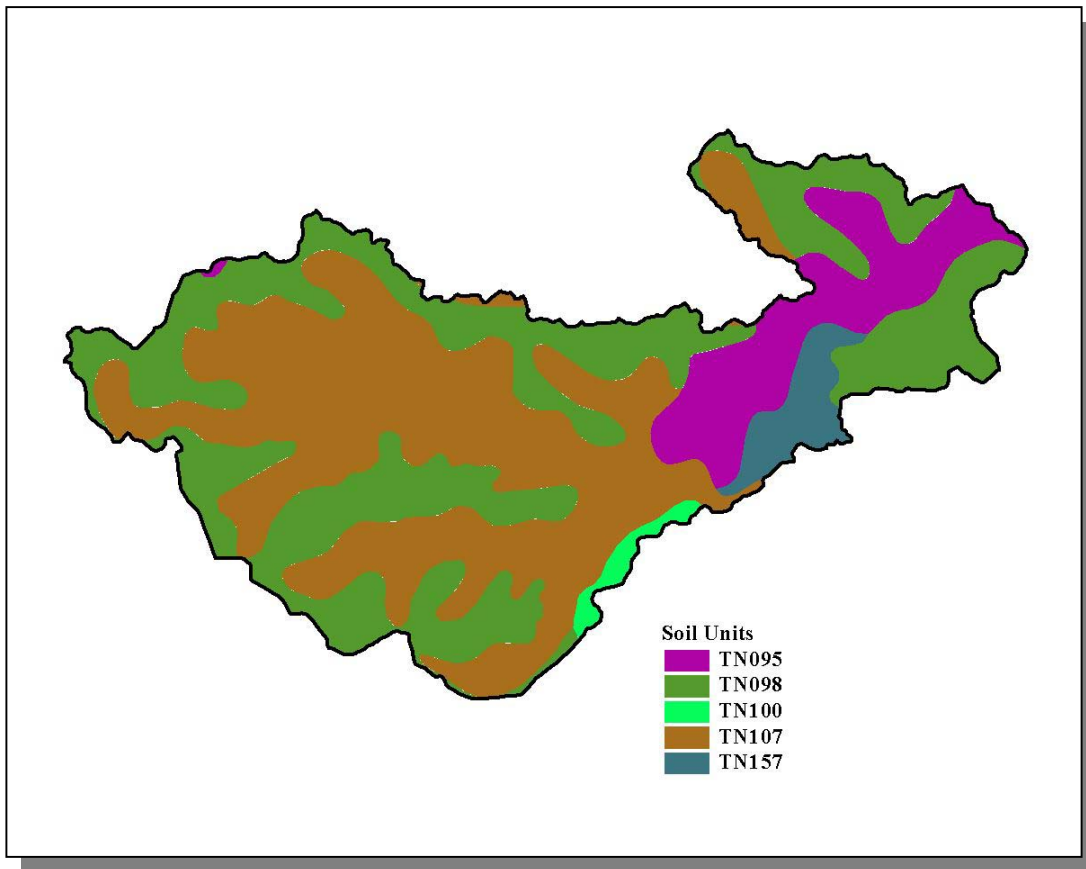


Figure 4-186. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040501.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN095	0.00	B	2.35	5.12	Loam	0.31
TN098	1.00	C	3.98	4.82	Loam	0.32
TN100	0.00	B	1.14	3.35	Silty Loam	0.21
TN107	1.00	C	6.34	4.84	Loam	0.28
TN157	0.00	B	2.38	4.62	Loam	0.28

Table 4-148. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040501. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Fentress	14,669	15,920	16,625	12.69	1,861	2,020	2,109	13.3
Scott	18,358	19,816	21,127	0.7	128	138	147	14.8
Total	33,027	35,736	37,752		1,989	2,158	2,256	13.4

Table 4-149. Population Estimates in Subwatershed 051301040501.

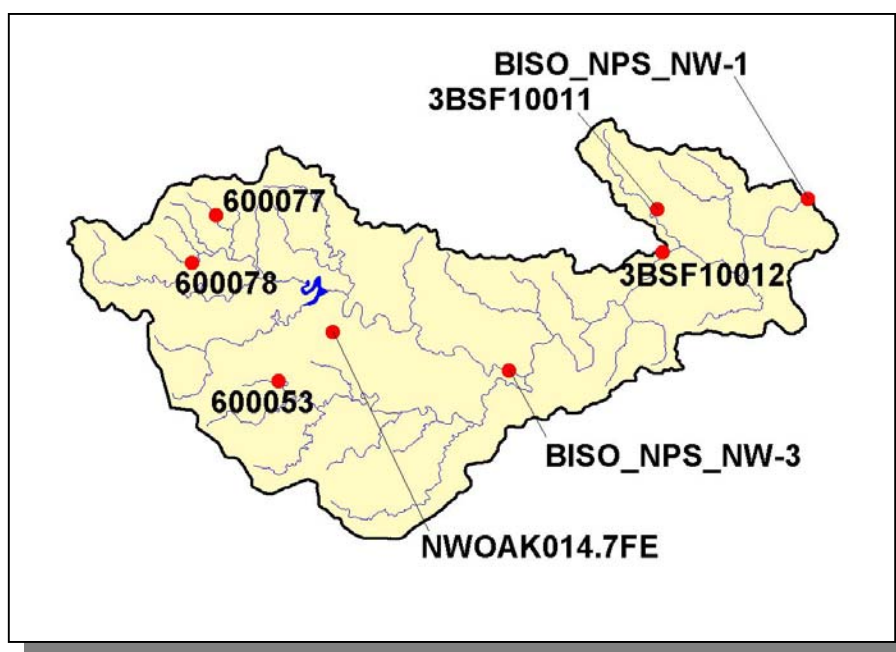


Figure 4-187. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301040501. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

4.2.E.i.a. Point Source Contributions.

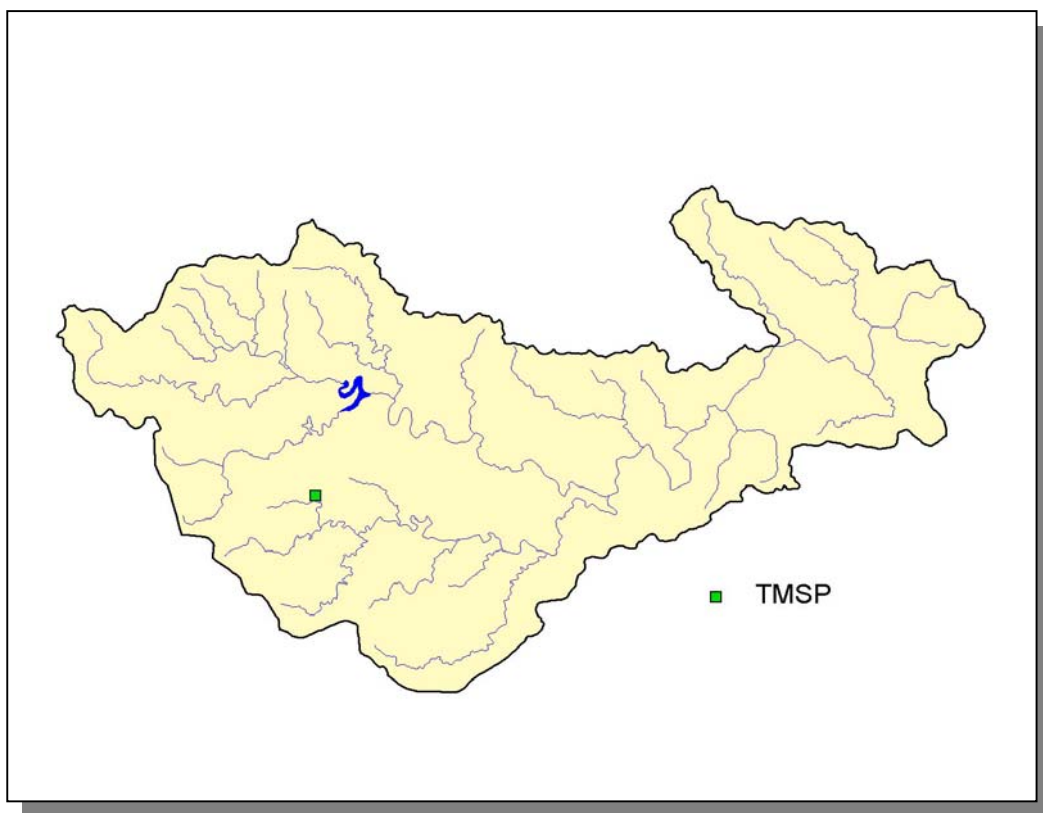


Figure 4-188. Location of Permits Issued in Subwatershed 051301040501. More information, including the names of facilities, is provided in Appendix IV.



Figure 4-189. Location of TMR Sites in Subwatershed 051301040501. More information, including the names of facilities, is provided in Appendix IV.

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4.2.E.i.b. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
916	1,963	49	<5	829,146	83	9

Table 4-150. Summary of Livestock Count Estimates in Subwatershed 051301040501.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS							
County	Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Chickens (Layers)	Hogs	Sheep
Fentress	8,058	17,259	430	7,290,026	474	729	79
Scott	2,177	4,447	216	1,989,506	196	17	74

Table 4-151. Summary of Livestock Count Estimates in Fentress and Scott Counties.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fentress	244.1	244.1	3.6	14.3
Scott	300.3	300.3	5.5	21.4

Table 4-152. Forest Acreage and Annual Removal Rates (1987-1994) in Fentress and Scott Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.70
Legumes, Grass (Hayland)	0.56
Grass, Forbs, Legumes (Mixed Pasture)	0.29
Corn (Row Crops)	16.18
Soybeans (Row Crops)	6.00
Wheat (Close-Grown Cropland)	43.40
Other Vegetable and Truck Crops	15.94
Farmsteads and Ranch Headquarters	0.38

Table 4-153. Annual Estimated Total Soil Loss in Subwatershed 051301040501.

4.3.E.ii. 051301040502 (Laurel Fork).

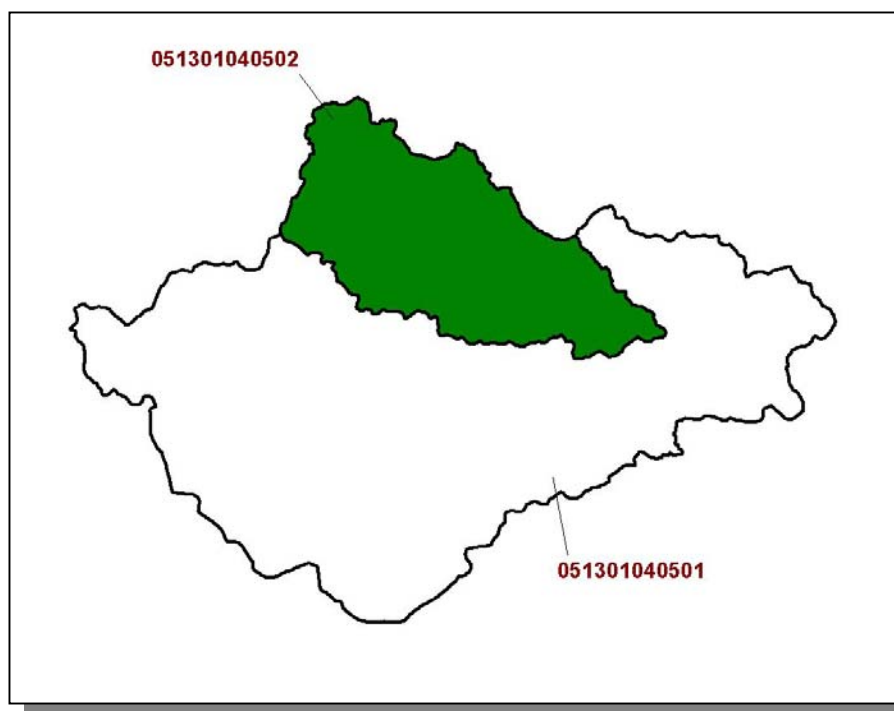


Figure 4-190. Location of Subwatershed 051301040502. All South Fork Cumberland River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

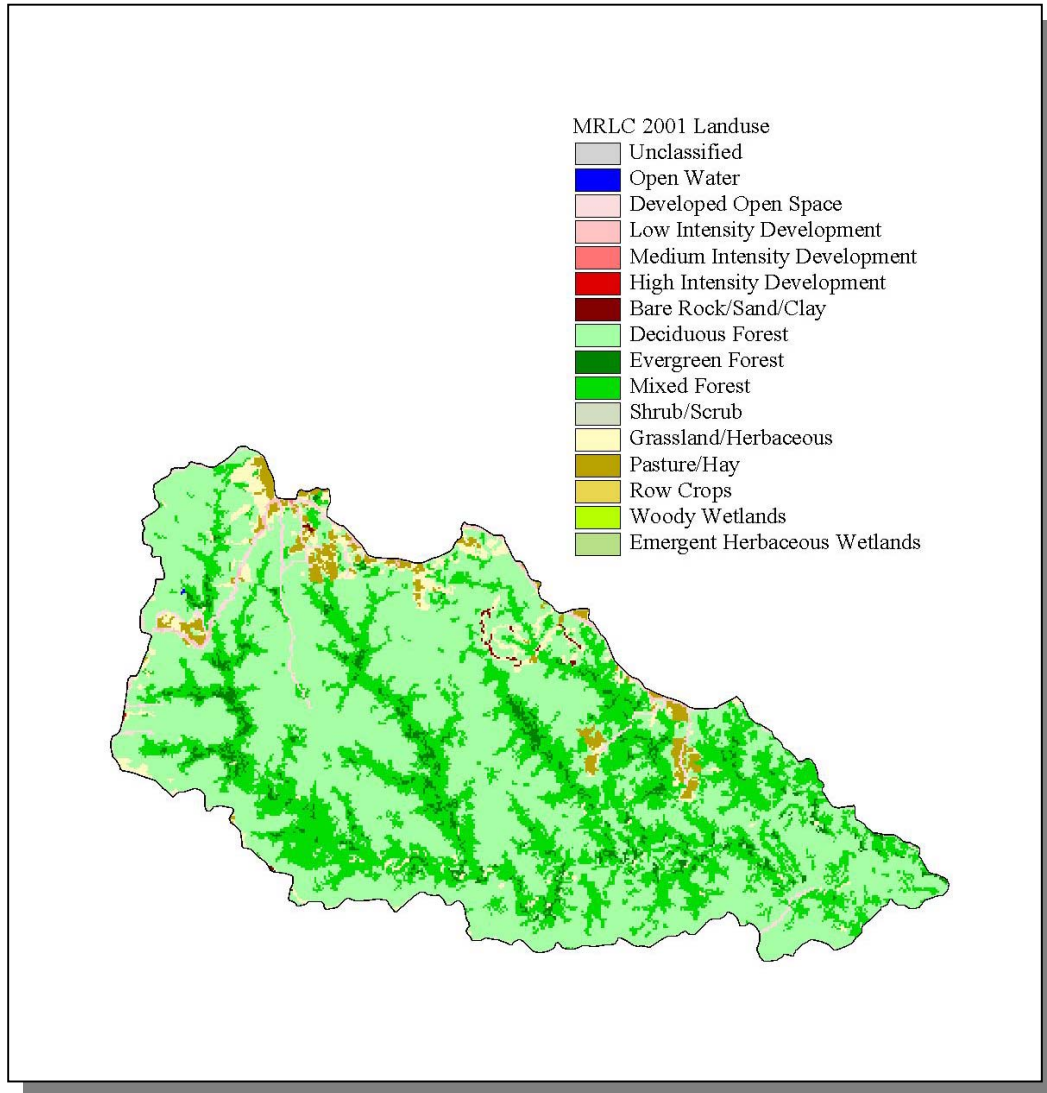


Figure 4-191. Illustration of Land Use Distribution in Subwatershed 051301040502.

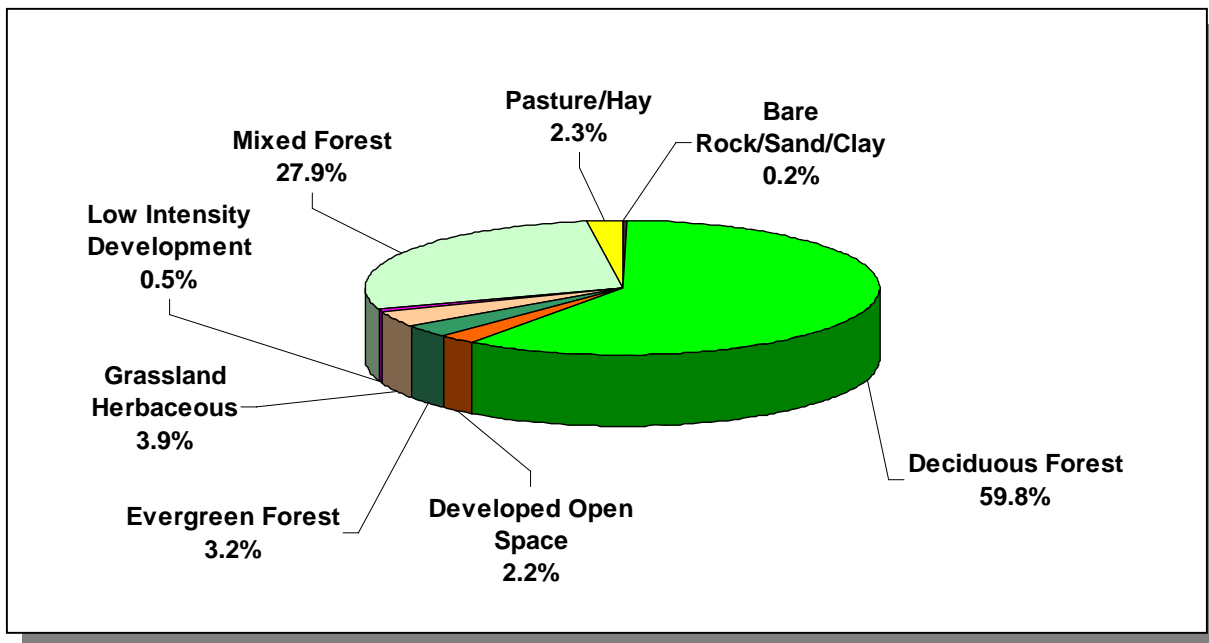


Figure 4-192. Land Use Distribution in Subwatershed 051301040502. More information is provided in Appendix IV.

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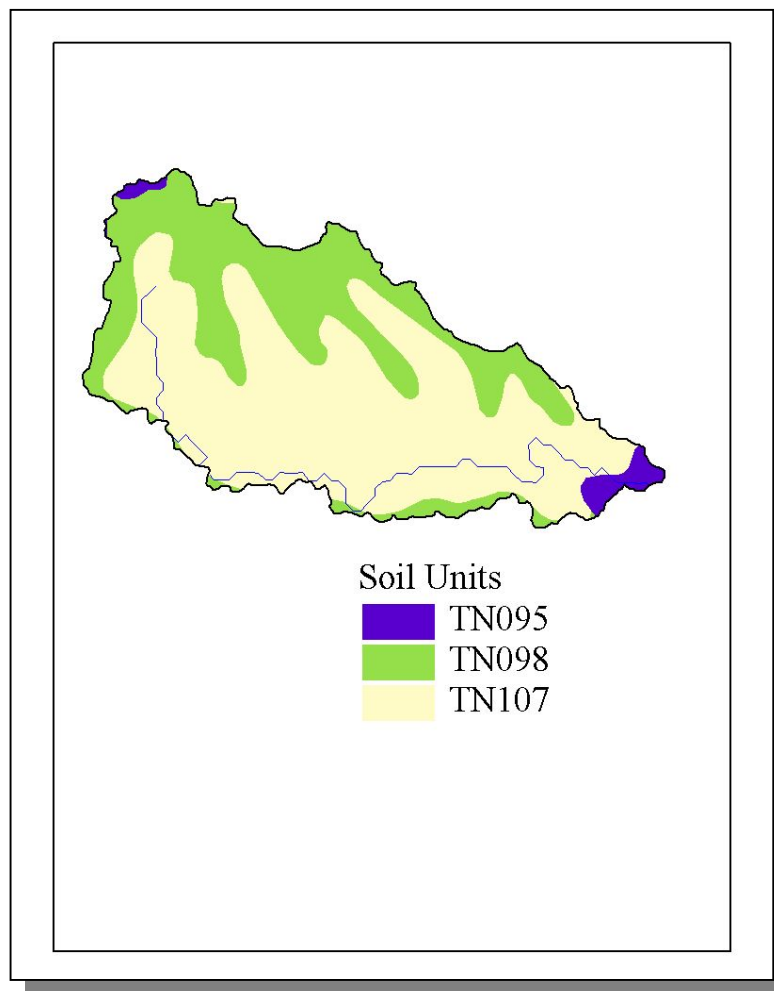


Figure 4-193. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040502.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN095	0.00	B	2.35	5.12	Loam	0.31
TN098	1.00	C	3.98	4.82	Loam	0.32
TN107	1.00	C	6.34	4.84	Loam	0.28

Table 4-154. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040502. The definition of “Hydrologic Group” is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Fentress	14,669	15,920	16,625	4.32	634	688	718	13.2

Table 4-155. Population Estimates in Subwatershed 051301040502.

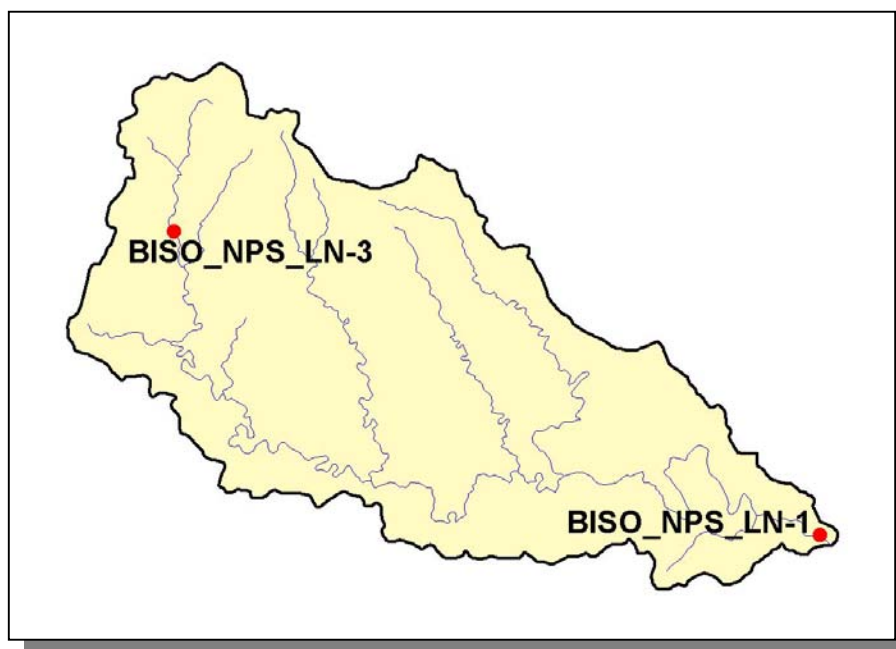


Figure 4-194. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301040502. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

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4.3.E.ii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.E.ii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Hogs	Sheep
75	161	<5	68,091	7	<5

Table 4-156. Summary of Livestock Count Estimates in Subwatershed 051301040502. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS							
County	Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Chickens (Layers)	Hogs	Sheep
Fentress	8,058	17,259	430	7,290,026	474	729	79

Table 4-157. Summary of Livestock Count Estimates in Fentress County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fentress	244.1	244.1	3.6	14.3

Table 4-158. Forest Acreage and Annual Removal Rates (1987-1994) in Fentress County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.72
Legumes, Grass (Hayland)	0.56
Grass, Forbs, Legumes (Mixed Pasture)	0.27
Corn (Row Crops)	16.18
Soybeans (Row Crops)	6.00
Wheat (Close-Grown Cropland)	43.40
Other Vegetable and Truck Crops	15.94
Farmsteads and Ranch Headquarters	0.40

Table 4-159. Annual Estimated Total Soil Loss in Subwatershed 0604000401.